

DECEMBER 2004

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**CHARTS, PUBLICATIONS, AND DATA MODELS CD-ROMS (Page 1 of 2)**

**1. NOAA Weather Charts (CDWX..)**

The NOAA Weather Charts CD-ROM set consists of three series of charts (A, B, and C) and is available as an annual subscription or as individual back issues. Though these charts represent only a select subset of all the charts produced by the National Centers for Environmental Prediction (NCEP), the set contains the weather charts that are most commonly used by researchers and the general public. The series serve as a continuation of the NCDC's microfilm archive of such charts. Each series (or in various combinations of series) is produced monthly and is available on a subscription basis beginning with the current processed month. Orders for back issues of individual monthly discs since October 1994 may be purchased separately. Files are PCX images in a directory structure. 1) *Chart Series A - Surface and Upper Air Charts*: North American (NA) and Northern Hemisphere (NH) constant pressure and surface charts; and Southern Hemisphere (SH) constant pressure charts. 2) *Chart Series B - Initial Analysis and Forecast Charts*: NA and NH 500 mb heights/ vorticity; NH mean relative humidity/ vertical velocity and NH and SH surface analysis/1000-500 mb thickness charts. 3) *Chart Series C - Tropical Strip / Precipitation and Observed Weather*: Tropical Strip surface and constant pressure; U.S. composite moisture index; U.S. observed precipitation, snowfall, and temperature extremes; U.S. radar summary, weather depiction, and winds aloft charts. One Year Subscription Rates (Each series produced monthly):

|                                                                      |                 |
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**2. Global Historical Fields (Version 1.0) (CDGHF)**

This CD-ROM allows users to view daily surface charts for the period 1899 through April 1994, but has no data for the Southern Hemisphere. Daily upper air charts (700 mb, 500 mb, 300 mb) are available from the late 1940's through April 1994. Surface charts contour sea level pressure only (not station plots); upper air charts contour geopotential heights and temperatures. Charts can be contoured, looped, and exported to a file or printer. Joint NCDC and U.S. Navy product. DOS only..... **\$175.00**

**3. Daily Weather Maps Series (DLYWX/CDROM)**

This series of daily charts currently contains the U.S. Surface Weather Map, 500-Millibar Height Contours chart, Highest and Lowest Temperatures chart, and the Precipitation Areas and Amounts chart (all charts for 7 a.m. EST or for previous 24 hours ending then). These charts are derived from the operational weather maps produced by the National Centers for Environmental Prediction. The series is produced as a weekly publication and can be obtained on a subscription basis for hard copies or as a quarterly CD-ROM. Each CD-ROM contains a set of PDF files and HTML files. HTML files are viewable through a web browser. PDF files allow users to print the Daily Weather Maps to desktop printers. Each PDF file contains a week of maps similar to the format of the printed versions available through subscription. The contents and format of the most recent versions of the Daily Weather Map are exactly the same as those of the CD-ROM and are available on the web at: <http://hpc.noaa.gov/dailywxmap/index.html>. Data from 1871 through 2001 can be found online at the NOAA Library web site: [http://docs.lib.noaa.gov/rescue/dwm/data\\_rescue\\_daily\\_weather\\_maps.html](http://docs.lib.noaa.gov/rescue/dwm/data_rescue_daily_weather_maps.html). For information on subscriptions and to subscribe, contact NNDC/NCDC, P.O. Box 70169, Chicago, IL 60673-0169 at (866) 752-3322. CD quarterly issues are available as back issues from January, 2003 forward.

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| One Year Subscription (Issued quarterly) .....           | <b>\$75.00</b>  |
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**4. Products and Services Guide Publication (GUIDE/CDROM)**

This publication describes the wide range of products and services available from the National Climatic Data Center. Our users range from large engineering firms designing the latest in safe energy efficient structures, to the attorney documenting a weather event, to the individual planning for a retirement move. Services offered include data resource consultations, subscription items and publications, copies of original records, certifications, generation of specialized climate studies, and a host of other climate-related activities. Services are delivered on a variety of media including on-line access, CD-ROMs, magnetic tape, floppy disks, computer tabulations, maps, and publications. (CD-ROM) ..... **No Charge**

**5. National Climatic Data Center Periodical Publications (CDPUB)**

National Climatic Data Center Periodical Publications: Contains PDF format versions of NCDC serial publications. Monthly issues of Climatological Data (all states), Hourly Precipitation Data (all states), Storm Data, Monthly Climatic Data for the World, and Local Climatological Data (all stations), plus graphics from the publications. The CD-ROM is issued quarterly along with all annual summaries. First issue: Jan-Mar 1998. Time delayed and is issued about six months after each quarter. Adobe Acrobat reader provided on the CD. Each Quarter ..... **\$150.00**  
Complete Set: ..... **\$600.00**

**6. Local Climatological Data Annual Summaries (CDLCDA)**

This CD-ROM contains Local Climatological Data Annual Summaries for all stations that were published. The annual summary includes that specific years monthly summaries as well as climatic normals and extremes. Tables showing a 30 year monthly history of temperature means, precipitation totals, snow totals, and heating & cooling degree days are also provided. Wind and humidity climatology tables and a monthly tally of rain days, snow days and days within selected temperature thresholds are also included along with a narrative climate description. The publication and CDROM are usually available within 3 - 6 months after the end of the year. First issue: 2000. Years 2000 / 2001 (Each year) ..... **\$75.00**  
Year 2002 ..... **\$100.00**

## CHARTS, PUBLICATIONS, AND DATA MODELS CD-ROMS (Contd. Page 2 of 2)

### 7. Storm Events Database (CSED)

The Storm Events Database is the archive of data pertaining to occurrences of storms and unusual U.S. weather phenomena. Such data are collected by the National Weather Service from various sources and are forwarded to the National Climatic Data Center for publication in the monthly issues of "Storm Data." Reports contain information on the date and time of the events, counties affected, latitude and longitude for selected events such as tornadoes and thunderstorms, storm paths, injuries, fatalities, property and crop damage, and narrative descriptions of the events (since 1993). Weather phenomena documented include droughts, dust storms, floods, fog, hail, hurricane and tropical storms, lightning, tornadoes, wildfires, ocean surf, precipitation, snow and ice, temperature extremes, and thunderstorms and high winds. The Storm Events Database contains data from the following sources: All Weather Events from 1993 - Current, as entered into "Storm Data" (except 6/93 - 7/93, which is missing) (NO Latitude/Longitude provided for 1993-1995). Additional data obtained from the Storm Prediction Center includes Tornadoes 1950-1992; Thunderstorm Winds 1955-1992; and Hail 1955-1992. The data is updated on a monthly basis and is usually 90-120 days behind the current month. CD-ROM's are produced on demand and include the most recent data available. The CD-ROM contains no software or extraction routines. Available formats include: dBase4, FoxPro2.6, Paradox7, or Visual FoxPro3. The NCDC Storm Event database is available online and can be searched to find various types of storms recorded in your county or use other selection criteria as desired. It is found at: <http://www4.ncdc.noaa.gov/cgi-win/wwwcgi.dll?wwEvent~Storms>  
Updated CD..... \$200.00

### 8. Probabilities of Temperature Extremes in the United States (CDTEMP)

This CD-ROM provides the capability to estimate the probability, for 332 locations in the 50 U.S. states, that an extreme temperature will occur for 1 or more consecutive days and/or for any number of days in a given month or season, based on statistics from the observed climate. It also provides the capability to examine how the probabilities might change given a monthly forecast of above or below normal temperature or even to examine climate change scenarios. This can be done by modifying the normal statistics through adjustment of any or all 4 statistics that describe the daily temperatures. It then estimates the scenario probabilities as well. Normal and scenario probabilities are shown as graphs for both consecutive days and any days. Scenario adjustments can be user supplied or calculated from climate model (GFDL, UKMO) projections. Installation instructions provided. .... \$175.00

### 9. Hourly Modeled Sounding Data (CDHSM)

This 12 volume CD-ROM set contains hourly 80 KM modeled gridpoint U.S. sounding data for 1990. This data is the output from the Penn State University MM4 model which used available daily sounding data for 1990 as input. Wind, temperature, dewpoint, depression, and geopotential height data for 8 standard and 15 variable levels are included in the NWS TTAA, TTBB format. One of the applications of this CD-ROM is to access air pollution impacts on a local scale. Joint NCDC and ARL product. Requires 544K of RAM. Sold only as a set, DOS only. .... \$ 600.00

### 10. Historical U.S. Climate Data (CLIVUE/CLISNOOP) - Version 1.0. (CDCLIVUE)

The NCDC developed a CD-ROM in support of a museum exhibit which traveled across the U.S. The CD contains a 1,500-station subset of NCDC's nearly 8,000 U.S. daily cooperative stations. The user selects a date and area of the U.S. and the CD-ROM database is queried for stations within the specified domain having data. Then, the system displays daily maximum and minimum temperatures, precipitation, and snowfall for the site. Graphs showing 7 years, 21 years, and the full period of record (varies by station) for the station(s) are available. Visual displays allow users to view trends, variability, and extremes. Joint NCDC and Franklin Institute Product. DOS only ..... \$100.00

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